

Daily Report

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11.25.2013 - 12.01.2013

Research

This week I summarized all previous codes for server-side implementation. Figure 1 shows the current architecture of the server for SVM training and model selection. Each session is an workspace for an analyst. The analyst can create multiple model configurations on a specific dataset. Model configurations in a session can be compared ,and the analyst is intended to select most valuable model configurations.

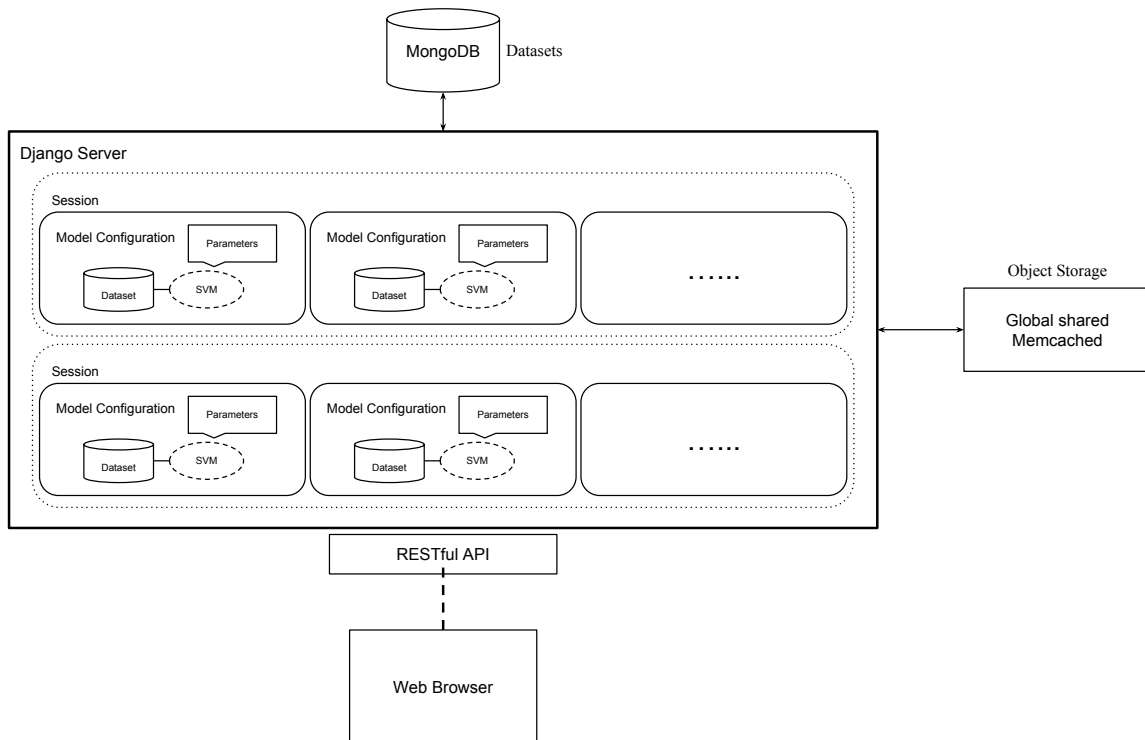


Figure 1: Server-side architecture.

The RESTful API provides an easy interface for clients to manipulate entities (model configurations, SVMs, datasets, etc.) via URL by HTTP methods. RESTful (Representational State Transfer) web framework is now the most popular design pattern for web server development. It is the basis of further development on the browser side. The attached document is an API description of current implementation.

In the future, the Attic Framework can also provide such a kind of web-service APIs for visual analytics tasks.

Next Plans

- Continue the implementation of browser side.